



SEQUENCE LISTING

10

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<120> NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 85P1B3
USEFUL IN TREATMENT AND DETECTION OF CANCER

<130> 51158-20028.00

<140> 09/942,052

<141> 2001-08-28

<150> 60/228,432

<151> 2000-08-28

<160> 744

<170> PatentIn Ver. 2.1

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<223> Description of Artificial Sequence: Peptide motif

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Ala Val Leu Ala Asp Ser Val His Leu

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<223> Description of Artificial Sequence: Peptide motif

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<223> Description of Artificial Sequence: Peptide motif

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Ala Ala Leu Arg Gly His Phe Cys Leu

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<223> Description of Artificial Sequence: Peptide motif

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 Gly Leu Gly Ala Glu Glu Pro Ala Ala
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 <223> Description of Artificial Sequence: Peptide motif

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 Pro Leu Ser Glu Lys Ile Ala Glu Leu
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 Arg Ala Ile Asp Gln Ala Ser Phe Thr
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 Phe Cys Gly Ser Cys Gly Ile Pro Val
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<223> Description of Artificial Sequence: Peptide motif

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Cys Leu Ser Ser Asp Lys Met Val Cys
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<223> Description of Artificial Sequence: Peptide motif

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<223> Description of Artificial Sequence: Peptide motif

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<223> Description of Artificial Sequence: Peptide motif

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Cys Gly Ile Pro Val Gly Phe His Leu

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Ala Gly Pro Gln Leu Pro Ser Trp Leu

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 Glu Met Asp Ile Gln Asn Val Pro Leu
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<210> 149
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Asn Val Pro Leu Ser Glu Lys Ile Ala
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<400> 151
Ser Leu Gly Ala Val Val Phe Ser Arg Val
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<400> 152

Val Leu Thr His Asn Arg Leu Lys Ser Leu
1 5 10

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Lys Ile Ala Glu Leu Lys Glu Lys Ile Val
1 5 10

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Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile
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Ser Glu Met Asp Ile Gln Asn Val Pro Leu
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Ser Leu Met Lys Ile Leu Ser Glu Val Thr
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Phe Gln Cys Ala Gln Cys His Ala Val Leu
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<223> Description of Artificial Sequence: Peptide motif

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Ala Val Leu Ala Asp Ser Val His Leu Ala
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 Leu Ala Ala Leu Arg Gly His Phe Cys Leu
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 Arg Ala Ile Asp Gln Ala Ser Phe Thr Thr
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<400> 171

Val Pro Leu Ser Glu Lys Ile Ala Glu Leu
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Ala Ala Gly Pro Gln Leu Pro Ser Trp Leu
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Ala Val Phe Gln Cys Ala Gln Cys His Ala
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<223> Description of Artificial Sequence: Peptide motif

<400> 174

Tyr Ser Thr His Ala Ala Leu Ala Ala Leu
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<223> Description of Artificial Sequence: Peptide motif

<400> 175

Lys Gly Ser Thr Tyr Asn Leu Leu Phe Cys
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<211> 10

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<223> Description of Artificial Sequence: Peptide motif

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Ala Ile Val Asn Ala Ser Glu Met Asp Ile
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<223> Description of Artificial Sequence: Peptide motif

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Ala Glu Leu Lys Glu Lys Ile Val Leu Thr
1 5 10

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<223> Description of Artificial Sequence: Peptide motif

<400> 178

Ser Leu Lys Gly Ser Thr Tyr Asn Leu Leu
1 5 10

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Arg Val Thr Asn Asn Val Val Leu Glu Ala
1 5 10

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Ile Gln Asn Val Pro Leu Ser Glu Lys Ile
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Ser Cys Gly Ile Pro Val Gly Phe His Leu
1 5 10

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 1 5 10

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 His Leu Tyr Ser Thr His Ala Ala Leu Ala
 1 5 10

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<210> 188
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 <223> Description of Artificial Sequence: Peptide motif

<400> 189
 Gly Ser Leu Lys Gly Ser Thr Tyr Asn Leu
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 Ala Gln Pro Leu Arg His Arg Ser Arg Cys
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 1 5 10

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 1 5 10

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 <400> 194
 Phe His Leu Tyr Ser Thr His Ala Ala Leu
 1 5 10

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 Phe Cys Leu Ser Ser Asp Lys Met Val Cys
 1 5 10

 <210> 196
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Ala Asp Ser Val His Leu Ala Trp Asp Leu
1 5 10

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<223> Description of Artificial Sequence: Peptide motif

<400> 197

Gln Cys His Ala Val Leu Ala Asp Ser Val
1 5 10

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<223> Description of Artificial Sequence: Peptide motif

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Gly Ile Pro Val Gly Phe His Leu Tyr Ser
1 5 10

<210> 199

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

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Val Gly Phe His Leu Tyr Ser Thr His Ala
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<223> Description of Artificial Sequence: Peptide motif

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 <400> 202
 Lys Met Val Cys Tyr Leu Leu Lys Thr
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 Gly Ile Pro Val Gly Phe His Leu Tyr
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 His Leu Tyr Ser Thr His Ala Ala Leu
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Leu Leu Phe Cys Gly Ser Cys Gly Ile
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Ser Leu Lys Gly Ser Thr Tyr Asn Leu
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<400> 208
Met Val Cys Tyr Leu Leu Lys Thr Lys
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Phe Leu Val Gly Ile Glu Gly Ser Leu
1 5

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<400> 212
Gly Leu Gly Ala Glu Glu Pro Ala Ala
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<400> 213
Ala Leu Ala Ala Leu Arg Gly His Phe
1 5

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 <400> 215
 Arg Leu Lys Ser Leu Met Lys Ile Leu
 1 5

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 Cys Leu Ser Ser Asp Lys Met Val Cys
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 <400> 217
 Gly His Phe Cys Leu Ser Ser Asp Lys
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Trp Leu Gln Pro Glu Arg Cys Ala Val
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<223> Description of Artificial Sequence: Peptide motif

<400> 219

Tyr Leu Leu Lys Thr Lys Ala Ile Val
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<210> 220

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<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 220

Met Glu Trp Asp Thr Gln Val Val Lys
1 5

<210> 221

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<223> Description of Artificial Sequence: Peptide motif

<400> 221

Ile Val Leu Thr His Asn Arg Leu Lys
1 5

<210> 222

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<223> Description of Artificial Sequence: Peptide motif

<400> 222

Lys Ile Val Leu Thr His Asn Arg Leu
1 5

<210> 223
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 <223> Description of Artificial Sequence: Peptide motif

 <400> 223
 Lys Ile Ala Glu Leu Lys Glu Lys Ile
 1 5

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 <400> 224
 Ser Met Glu Trp Asp Thr Gln Val Val
 1 5

 <210> 225
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 <400> 225
 Glu Met Asp Ile Gln Asn Val Pro Leu
 1 5

 <210> 226
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 <220>
 <223> Description of Artificial Sequence: Peptide motif

 <400> 226
 Ala Leu Arg Gly His Phe Cys Leu Ser
 1 5

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<223> Description of Artificial Sequence: Peptide motif

<400> 227

Val Leu Glu Ala Pro Phe Leu Val Gly
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<210> 228

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<223> Description of Artificial Sequence: Peptide motif

<400> 228

Leu Ser Glu Lys Ile Ala Glu Leu Lys
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Val Val Leu Glu Ala Pro Phe Leu Val
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Ala Val Phe Gln Cys Ala Gln Cys His
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1 5

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Gly Asp Phe Cys Gly Gly Thr Glu Arg

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<223> Description of Artificial Sequence: Peptide motif

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His Leu Ala Trp Asp Leu Ser Arg Ser

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<223> Description of Artificial Sequence: Peptide motif

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Pro Leu Gly Pro Ala Gly Leu Gly Ala

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<223> Description of Artificial Sequence: Peptide motif

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 Cys Leu Ser Ser Asp Lys Met Val Cys Tyr
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 His Leu Tyr Ser Thr His Ala Ala Leu Ala
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Ser Leu Gly Ala Val Val Phe Ser Arg Val
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1 5 10

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1 5 10

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Glu Leu Lys Glu Lys Ile Val Leu Thr His
1 5 10

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Arg Ser Leu Gly Ala Val Val Phe Ser Arg
1 5 10

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1 5 10

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1 5 10

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Ala Ile Val Asn Ala Ser Glu Met Asp Ile
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Ser Leu Met Lys Ile Leu Ser Glu Val Thr
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1 5 10

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 Arg Leu Lys Ser Leu Met Lys Ile Leu Ser
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Tyr Leu Leu Lys Thr Lys Ala Ile Val Asn
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Asp Leu Ser Arg Ser Leu Gly Ala Val Val
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Gly Leu Gly Ala Glu Glu Pro Ala Ala Gly
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His Leu Ala Trp Asp Leu Ser Arg Ser Leu
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<223> Description of Artificial Sequence: Peptide motif

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 1 5 10

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 Thr His Asn Arg Leu Lys Ser Leu Met Lys
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 Glu Met Asp Ile Gln Asn Val Pro Leu Ser
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 1 5 10

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1 5 10

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 Ser Leu Gly Ala Val Val Phe Ser Arg
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 Gly His Phe Cys Leu Ser Ser Asp Lys
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His Asn Arg Leu Lys Ser Leu Met Lys
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Ala Val Phe Gln Cys Ala Gln Cys His
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<223> Description of Artificial Sequence: Peptide motif

<400> 312

Leu Pro Ser Trp Leu Gln Pro Glu Arg
1 5

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<223> Description of Artificial Sequence: Peptide motif

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1 5

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<223> Description of Artificial Sequence: Peptide motif

<400> 314

Ala Val Leu Ala Asp Ser Val His Leu
1 5

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1 5

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Arg Ser Arg Cys Ala Thr Pro Pro Arg
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Val His Leu Ala Trp Asp Leu Ser Arg
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Ala Gln Pro Leu Arg His Arg Ser Arg
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Gly Leu Gly Ala Glu Glu Pro Ala Ala
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Gly Ile Pro Val Gly Phe His Leu Tyr
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Lys Ala Ile Val Asn Ala Ser Glu Met

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Ser Leu Met Lys Ile Leu Ser Glu Val

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Ser Leu Lys Gly Ser Thr Tyr Asn Leu

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<400> 335

His Leu Tyr Ser Thr His Ala Ala Leu

1 5

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Leu Leu Phe Cys Gly Ser Cys Gly Ile

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 Gly Phe His Leu Tyr Ser Thr His Ala
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Arg Val Thr Asn Asn Val Val Leu Glu
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Phe Gln Cys Ala Gln Cys His Ala Val
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Arg Leu Lys Ser Leu Met Lys Ile Leu
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<223> Description of Artificial Sequence: Peptide motif

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<223> Description of Artificial Sequence: Peptide motif

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Ala Leu Ala Ala Leu Arg Gly His Phe
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 Thr His Ala Ala Leu Ala Ala Leu Arg
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Lys Ile Val Leu Thr His Asn Arg Leu Lys
1 5 10

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1 5 10

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1 5 10

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1 5 10

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Val Leu Ala Asp Ser Val His Leu Ala Trp
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Leu Tyr Ser Thr His Ala Ala Leu Ala Ala
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Gly Phe His Leu Tyr Ser Thr His Ala Ala
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Ser Cys Gly Ile Pro Val Gly Phe His Leu
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Cys Tyr Leu Leu Lys Thr Lys Ala Ile Val
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1 5 10

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1 5 10

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1 5 10

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 Glu Lys Ile Val Leu Thr His Asn Arg Leu
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1 5 10

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Gln Val Val Lys Gly Ser Ser Pro Leu
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Leu Ala Trp Asp Leu Ser Arg Ser Leu
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1 5

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Cys Gly Ile Pro Val Gly Phe His Leu

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Phe Leu Val Gly Ile Glu Gly Ser Leu

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Ala Glu Leu Lys Glu Lys Ile Val Leu
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1 5

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1 5

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Cys Ala Gln Cys His Ala Val Leu Ala
1 5

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Arg Ala Ile Asp Gln Ala Ser Phe Thr
1 5

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Val Pro Leu Ser Glu Lys Ile Ala Glu Leu
1 5 10

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Phe Ser Arg Val Thr Asn Asn Val Val Leu
1 5 10

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Ala Ala Gly Pro Gln Leu Pro Ser Trp Leu
1 5 10

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1 5 10

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 Gly Ser Ser Pro Leu Gly Pro Ala Gly Leu
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 His Leu Ala Trp Asp Leu Ser Arg Ser Leu
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 1 5 10

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Val Leu Thr His Asn Arg Leu Lys Ser Leu
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Ser Cys Gly Ile Pro Val Gly Phe His Leu
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<223> Description of Artificial Sequence: Peptide motif

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Tyr Ser Thr His Ala Ala Leu Ala Ala Leu
1 5 10

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<223> Description of Artificial Sequence: Peptide motif

<400> 563

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<211> 10

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<220>

<223> Description of Artificial Sequence: Peptide motif

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Leu Ser Ser Asp Lys Met Val Cys Tyr Leu
1 5 10

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 1 5 10

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Ser Pro Leu Gly Pro Ala Gly Leu Gly Ala
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<223> Description of Artificial Sequence: Peptide motif

<400> 573

Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys
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<210> 574

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 574

Ala Val Leu Ala Asp Ser Val His Leu Ala
1 5 10

<210> 575

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 575

Ala Val Phe Gln Cys Ala Gln Cys His Ala
1 5 10

<210> 576

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 576

Ser Ser Asp Lys Met Val Cys Tyr Leu Leu
1 5 10

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<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 577

Ala Pro Phe Leu Val Gly Ile Glu Gly Ser
1 5 10

<210> 578
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 578
Ala Asp Ser Val His Leu Ala Trp Asp Leu
1 5 10

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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 579
Ser Glu Met Asp Ile Gln Asn Val Pro Leu
1 5 10

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<220>
<223> Description of Artificial Sequence: Peptide motif

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Ala Ile Val Asn Ala Ser Glu Met Asp Ile
1 5 10

<210> 581
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<220>
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Asn Val Val Leu Glu Ala Pro Phe Leu Val
1 5 10

<210> 582
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<220>
<223> Description of Artificial Sequence: Peptide motif

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Leu Thr His Asn Arg Leu Lys Ser Leu Met
1 5 10

<210> 583
<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

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Val Val Phe Ser Arg Val Thr Asn Asn Val
1 5 10

<210> 584
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

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Gln Pro Glu Arg Cys Ala Val Phe Gln Cys
1 5 10

<210> 585
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<220>
<223> Description of Artificial Sequence: Peptide motif

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Ala Leu Arg Gly His Phe Cys Leu Ser Ser
1 5 10

<210> 586
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 586
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<210> 587
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<220>
 <223> Description of Artificial Sequence: Peptide motif

<400> 587
 Thr Ser Met Glu Trp Asp Thr Gln Val Val
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<210> 588
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<220>
 <223> Description of Artificial Sequence: Peptide motif

<400> 588
 Glu Pro Ala Ala Gly Pro Gln Leu Pro Ser
 1 5 10

<210> 589
 <211> 10
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Peptide motif

<400> 589
 Met Val Cys Tyr Leu Leu Lys Thr Lys Ala
 1 5 10

<210> 590
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<220>
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<400> 590
 Arg Val Thr Asn Asn Val Val Leu Glu Ala
 1 5 10

<210> 591
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<212> PRT
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 <220>
 <223> Description of Artificial Sequence: Peptide motif

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 Ala Gln Pro Leu Arg His Arg Ser Arg Cys
 1 5 10

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 <220>
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 Glu Lys Ile Val Leu Thr His Asn Arg Leu
 1 5 10

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 <220>
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 Val Cys Tyr Leu Leu Lys Thr Lys Ala Ile
 1 5 10

 <210> 594
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 Phe His Leu Tyr Ser Thr His Ala Ala Leu
 1 5 10

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<400> 595

Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile
1 5 10

<210> 596

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 596

Ile Gln Asn Val Pro Leu Ser Glu Lys Ile
1 5 10

<210> 597

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 597

Asn Arg Leu Lys Ser Leu Met Lys Ile Leu
1 5 10

<210> 598

<211> 10

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 598

Ala Glu Glu Pro Ala Ala Gly Pro Gln Leu
1 5 10

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 599

Ala Gly Leu Gly Ala Glu Glu Pro Ala Ala
1 5 10

<210> 600
<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 600
Ala Leu Ala Ala Leu Arg Gly His Phe Cys
1 5 10

<210> 601
<211> 9
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 601
Leu Ser Ser Asp Lys Met Val Cys Tyr
1 5

<210> 602
<211> 9
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<220>
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Lys Ala Ile Val Asn Ala Ser Glu Met
1 5

<210> 603
<211> 9
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<220>
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<400> 603
Arg Leu Lys Ser Leu Met Lys Ile Leu
1 5

<210> 604
<211> 9
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<220>
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<400> 604
Leu Ala Trp Asp Leu Ser Arg Ser Leu
1 5

<210> 605
<211> 9
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<220>
<223> Description of Artificial Sequence: Peptide motif

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Asp Ser Val His Leu Ala Trp Asp Leu
1 5

<210> 606
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 606
Gly Ser Cys Gly Ile Pro Val Gly Phe
1 5

<210> 607
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 607
Ser Ser Pro Leu Gly Pro Ala Gly Leu
1 5

<210> 608
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 608

Ser Leu Lys Gly Ser Thr Tyr Asn Leu
1 5

<210> 609
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 609
Cys Ala Thr Pro Pro Arg Gly Asp Phe
1 5

<210> 610
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 610
Ala Ala Leu Arg Gly His Phe Cys Leu
1 5

<210> 611
<211> 9
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Phe Ser Arg Val Thr Asn Asn Val Val
1 5

<210> 612
<211> 9
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<400> 612
Leu Ser Arg Ser Leu Gly Ala Val Val
1 5

<210> 613

<211> 9
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<223> Description of Artificial Sequence: Peptide motif

<400> 613
Ala Ser Phe Thr Thr Ser Met Glu Trp
1 5

<210> 614
<211> 9
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Gly Ile Pro Val Gly Phe His Leu Tyr
1 5

<210> 615
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<400> 615
Lys Gly Ser Thr Tyr Asn Leu Leu Phe
1 5

<210> 616
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<220>
<223> Description of Artificial Sequence: Peptide motif

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Ile Pro Val Gly Phe His Leu Tyr Ser
1 5

<210> 617
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 617

Thr Ser Met Glu Trp Asp Thr Gln Val
1 5

<210> 618

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 618

Gln Pro Leu Arg His Arg Ser Arg Cys
1 5

<210> 619

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 619

Leu Gln Pro Glu Arg Cys Ala Val Phe
1 5

<210> 620

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 620

Lys Ile Val Leu Thr His Asn Arg Leu
1 5

<210> 621

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 621

Asp Gln Ala Ser Phe Thr Thr Ser Met
1 5

<210> 622
<211> 9
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 622
Glu Gly Ser Leu Lys Gly Ser Thr Tyr
1 5

<210> 623
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 623
Lys Ile Ala Glu Leu Lys Glu Lys Ile
1 5

<210> 624
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 624
Ser Ser Asp Lys Met Val Cys Tyr Leu
1 5

<210> 625
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 625
Ala Val Leu Ala Asp Ser Val His Leu
1 5

<210> 626
<211> 9
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 626

Asn Val Val Leu Glu Ala Pro Phe Leu

1

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<210> 627

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 627

Ala Ala Gly Pro Gln Leu Pro Ser Trp

1

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<210> 628

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 628

Arg Ala Ile Asp Gln Ala Ser Phe Thr

1

5

<210> 629

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 629

Ala Gly Pro Gln Leu Pro Ser Trp Leu

1

5

<210> 630

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 630
Phe Leu Val Gly Ile Glu Gly Ser Leu
1 5

<210> 631
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 631
Cys Gly Ile Pro Val Gly Phe His Leu
1 5

<210> 632
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 632
Ala Leu Ala Ala Leu Arg Gly His Phe
1 5

<210> 633
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 633
Gln Val Val Lys Gly Ser Ser Pro Leu
1 5

<210> 634
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 634
Ser Thr His Ala Ala Leu Ala Ala Leu
1 5

<210> 635
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 635
Leu Thr His Asn Arg Leu Lys Ser Leu
1 5

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<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 636
Arg Ser Leu Gly Ala Val Val Phe Ser
1 5

<210> 637
<211> 9
<212> PRT
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<220>
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<400> 637
Gln Cys Ala Gln Cys His Ala Val Leu
1 5

<210> 638
<211> 9
<212> PRT
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<223> Description of Artificial Sequence: Peptide motif

<400> 638
His Leu Tyr Ser Thr His Ala Ala Leu
1 5

<210> 639
<211> 9
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<223> Description of Artificial Sequence: Peptide motif

<400> 639
Asn Asn Val Val Leu Glu Ala Pro Phe
1 5

<210> 640
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 640
Thr Pro Asp Gln Ser Lys Pro Glu Asn
1 5

<210> 641
<211> 9
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 641
Glu Leu Lys Glu Lys Ile Val Leu Thr
1 5

<210> 642
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

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Asn Ala Ser Glu Met Asp Ile Gln Asn
1 5

<210> 643
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 643
Lys Thr Lys Ala Ile Val Asn Ala Ser

1

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<210> 644

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 644

Gly Ser Leu Lys Gly Ser Thr Tyr Asn

1

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<210> 645

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 645

Gly Ser Thr Tyr Asn Leu Leu Phe Cys

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<210> 646

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 646

Tyr Ser Thr His Ala Ala Leu Ala Ala

1

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<210> 647

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 647

Ala Ser Glu Met Asp Ile Gln Asn Val

1

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<210> 648

<211> 9

<212> PRT
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 <223> Description of Artificial Sequence: Peptide motif

 <400> 648
 Leu Ala Asp Ser Val His Leu Ala Trp
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 <210> 649
 <211> 9
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 <223> Description of Artificial Sequence: Peptide motif

 <400> 649
 Val Val Leu Glu Ala Pro Phe Leu Val
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 <210> 650
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 <212> PRT
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 <220>
 <223> Description of Artificial Sequence: Peptide motif

 <400> 650
 Phe Cys Gly Gly Thr Glu Arg Ala Ile
 1 5

 <210> 651
 <211> 10
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 <220>
 <223> Description of Artificial Sequence: Peptide motif

 <400> 651
 Val Pro Leu Ser Glu Lys Ile Ala Glu Leu
 1 5 10

 <210> 652
 <211> 10
 <212> PRT
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Peptide motif

<400> 652
 Phe Ser Arg Val Thr Asn Asn Val Val Leu
 1 5 10

<210> 653
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<220>
 <223> Description of Artificial Sequence: Peptide motif

<400> 653
 Leu Ser Arg Ser Leu Gly Ala Val Val Phe
 1 5 10

<210> 654
 <211> 10
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<220>
 <223> Description of Artificial Sequence: Peptide motif

<400> 654
 Leu Ser Ser Asp Lys Met Val Cys Tyr Leu
 1 5 10

<210> 655
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<220>
 <223> Description of Artificial Sequence: Peptide motif

<400> 655
 Gly Ser Ser Pro Leu Gly Pro Ala Gly Leu
 1 5 10

<210> 656
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<220>
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 Tyr Ser Thr His Ala Ala Leu Ala Ala Leu
 1 5 10

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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 657
Gly Ser Leu Lys Gly Ser Thr Tyr Asn Leu
1 5 10

<210> 658
<211> 10
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 658
His Ala Val Leu Ala Asp Ser Val His Leu
1 5 10

<210> 659
<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 659
Ala Ala Leu Ala Ala Leu Arg Gly His Phe
1 5 10

<210> 660
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 660
Ala Ala Gly Pro Gln Leu Pro Ser Trp Leu
1 5 10

<210> 661
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 661
Thr Ser Met Glu Trp Asp Thr Gln Val Val
1 5 10

<210> 662
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 662
Leu Ala Ala Leu Arg Gly His Phe Cys Leu
1 5 10

<210> 663
<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 663
Ser Leu Lys Gly Ser Thr Tyr Asn Leu Leu
1 5 10

<210> 664
<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 664
Ala Pro Phe Leu Val Gly Ile Glu Gly Ser
1 5 10

<210> 665
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 665

Cys Gly Ile Pro Val Gly Phe His Leu Tyr
1 5 10

<210> 666

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 666

Glu Pro Ala Ala Gly Pro Gln Leu Pro Ser
1 5 10

<210> 667

<211> 10

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 667

Leu Thr His Asn Arg Leu Lys Ser Leu Met
1 5 10

<210> 668

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 668

Gln Pro Leu Arg His Arg Ser Arg Cys Ala
1 5 10

<210> 669

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 669

Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys
1 5 10

<210> 670

<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 670
Ile Pro Val Gly Phe His Leu Tyr Ser Thr
1 5 10

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<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 671
Cys Leu Ser Ser Asp Lys Met Val Cys Tyr
1 5 10

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<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 672
Lys Ser Leu Met Lys Ile Leu Ser Glu Val
1 5 10

<210> 673
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 673
Arg Cys Ala Thr Pro Pro Arg Gly Asp Phe
1 5 10

<210> 674
<211> 10
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<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 674

Ser Pro Leu Gly Pro Ala Gly Leu Gly Ala
1 5 10

<210> 675

<211> 10

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 675

Asn Ala Ser Glu Met Asp Ile Gln Asn Val
1 5 10

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<211> 10

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 676

Gln Ala Ser Phe Thr Thr Ser Met Glu Trp
1 5 10

<210> 677

<211> 10

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<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 677

Ser Ser Asp Lys Met Val Cys Tyr Leu Leu
1 5 10

<210> 678

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 678

Asn Asn Val Val Leu Glu Ala Pro Phe Leu
1 5 10

<210> 679
<211> 10
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<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 679
Ile Ala Glu Leu Lys Glu Lys Ile Val Leu
1 5 10

<210> 680
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 680
Arg Ala Ile Asp Gln Ala Ser Phe Thr Thr
1 5 10

<210> 681
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 681
His Asn Arg Leu Lys Ser Leu Met Lys Ile
1 5 10

<210> 682
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 682
Val Leu Thr His Asn Arg Leu Lys Ser Leu
1 5 10

<210> 683
<211> 10
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 683

Cys Gly Ser Cys Gly Ile Pro Val Gly Phe
1 5 10

<210> 684

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 684

Val Leu Ala Asp Ser Val His Leu Ala Trp
1 5 10

<210> 685

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 685

Thr Gln Val Val Lys Gly Ser Ser Pro Leu
1 5 10

<210> 686

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 686

Ser Cys Gly Ile Pro Val Gly Phe His Leu
1 5 10

<210> 687

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 687

His Leu Ala Trp Asp Leu Ser Arg Ser Leu
1 5 10

<210> 688

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 688

Trp Leu Gln Pro Glu Arg Cys Ala Val Phe
1 5 10

<210> 689

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 689

Phe Gln Cys Ala Gln Cys His Ala Val Leu
1 5 10

<210> 690

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 690

Thr Asn Asn Val Val Leu Glu Ala Pro Phe
1 5 10

<210> 691

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide motif

<400> 691

Lys Ile Ala Glu Leu Lys Glu Lys Ile Val
1 5 10

<210> 692
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 692
Arg Leu Lys Ser Leu Met Lys Ile Leu Ser
1 5 10

<210> 693
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 693
Pro Pro Arg Gly Asp Phe Cys Gly Gly Thr
1 5 10

<210> 694
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 694
Gln Pro Glu Arg Cys Ala Val Phe Gln Cys
1 5 10

<210> 695
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 695
Asp Ser Val His Leu Ala Trp Asp Leu Ser
1 5 10

<210> 696
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 696
Thr Glu Arg Ala Ile Asp Gln Ala Ser Phe
1 5 10

<210> 697
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 697
Val Cys Tyr Leu Leu Lys Thr Lys Ala Ile
1 5 10

<210> 698
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 698
Ala Ile Val Asn Ala Ser Glu Met Asp Ile
1 5 10

<210> 699
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 699
Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile
1 5 10

<210> 700
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide motif

<400> 700
Ile Gln Asn Val Pro Leu Ser Glu Lys Ile

1

5

10

<210> 701
 <211> 496
 <212> DNA
 <213> Unknown Organism

<220>

<223> Description of Unknown Organism: Splice variant 1
 nucleotide sequence

<400> 701
 tttttttttt cctatctagc tatctcttaa aaacaaaagc catagtaa gcatcagaga 60
 tggatattca aaatgttcct ctatcagaaa agattgcaga ggtaaaattt catgatgggt 120
 gtatgctttt ttaaaataca gacaactctt gataacttct accaatgaac ttggggatga 180
 tgaaatggca tgatgctcaa taatcctttt tacttgattt gaccttcctt attgaatttg 240
 taatgaaaaa caaaatacta aaaccacact gtaagggtata gttcaggaag aaaggaaaag 300
 ctgctcaact gctgcactcc tgcattctcc tttgtgctgg gaatggatat catcatcttg 360
 ccatagaggt gtcttctttg caaatacctt gtaattgctc aactgtctca gacataagag 420
 tgatgaaaca gttattaaga attcctggcc gggcgtgggtg gctcacgcct gtaatcccag 480
 cactttggcc tcgtgc 496

<210> 702
 <211> 83
 <212> DNA
 <213> Unknown Organism

<220>

<223> Description of Unknown Organism: 85P1B3 nucleotide
 sequence

<400> 702
 gctatctctt aaaaacaaaa gccatagtaa atgcatcaga gatggatatt caaaatgttc 60
 ctctatcaga aaagattgca gag 83

<210> 703
 <211> 83
 <212> DNA
 <213> Unknown Organism

<220>

<223> Description of Unknown Organism: Splice variant 1
 nucleotide sequence

<400> 703
 gctatctctt aaaaacaaaa gccatagtaa atgcatcaga gatggatatt caaaatgttc 60
 ctctatcaga aaagattgca gag 83

<210> 704
 <211> 29
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: 85P1B3 peptide
 sequence

<400> 704
 Tyr Leu Leu Lys Thr Lys Ala Ile Val Asn Ala Ser Glu Met Asp Ile
 1 5 10 15
 Gln Asn Val Pro Leu Ser Glu Lys Ile Ala Glu Leu Lys
 20 25

<210> 705
 <211> 165
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Splice variant 1
 open reading frame 1 peptide sequence

<220>
 <221> MOD_RES
 <222> (10)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (15)..(16)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (35)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (56)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (60)..(61)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (74)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (81)..(82)
 <223> Unknown amino acid or stop

<220>

<221> MOD_RES
 <222> (87)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (122)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (139)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (141)..(142)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (146)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (158)
 <223> Unknown amino acid or stop

<400> 705
 Phe Phe Phe Ser Tyr Leu Ala Ile Ser Xaa Lys Gln Lys Pro Xaa Xaa
 1 5 10 15
 Met His Gln Arg Trp Ile Phe Lys Met Phe Leu Tyr Gln Lys Arg Leu
 20 25 30
 Gln Arg Xaa Asn Phe Met Met Val Val Cys Phe Phe Lys Ile Gln Thr
 35 40 45
 Thr Leu Asp Asn Phe Tyr Gln Xaa Thr Trp Gly Xaa Xaa Asn Gly Met
 50 55 60
 Met Leu Asn Asn Pro Phe Tyr Leu Ile Xaa Pro Ser Leu Leu Asn Leu
 65 70 75 80
 Xaa Xaa Lys Thr Lys Tyr Xaa Asn His Thr Val Arg Tyr Ser Ser Gly
 85 90 95
 Arg Lys Glu Lys Leu Leu Asn Cys Cys Thr Pro Ala Phe Ser Phe Val
 100 105 110
 Leu Gly Met Asp Ile Ile Ile Leu Pro Xaa Arg Cys Leu Leu Cys Lys
 115 120 125
 Tyr Leu Val Ile Ala Gln Leu Ser Gln Thr Xaa Glu Xaa Xaa Asn Ser
 130 135 140

Tyr Xaa Glu Phe Leu Ala Gly Arg Gly Gly Ser Arg Leu Xaa Ser Gln
 145 150 155 160

His Phe Gly Leu Val
 165

<210> 706
 <211> 165
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Splice variant 1
 open reading frame 2 peptide sequence

<220>
 <221> MOD_RES
 <222> (6)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (38)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (64)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (72)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (78)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (91)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (131)
 <223> Unknown amino acid or stop

<400> 706
 Phe Phe Phe Pro Ile Xaa Leu Ser Leu Lys Asn Lys Ser His Ser Lys
 1 5 10 15

Cys Ile Arg Asp Gly Tyr Ser Lys Cys Ser Ser Ile Arg Lys Asp Cys
 20 25 30

Arg Gly Lys Ile Ser Xaa Trp Leu Tyr Ala Phe Leu Lys Tyr Arg Gln
 35 40 45
 Leu Leu Ile Thr Ser Thr Asn Glu Leu Gly Asp Asp Glu Met Ala Xaa
 50 55 60
 Cys Ser Ile Ile Leu Phe Thr Xaa Phe Asp Leu Pro Tyr Xaa Ile Cys
 65 70 75 80
 Asn Glu Lys Gln Asn Thr Lys Thr Thr Leu Xaa Gly Ile Val Gln Glu
 85 90 95
 Glu Arg Lys Ser Cys Ser Thr Ala Ala Leu Leu His Ser Pro Leu Cys
 100 105 110
 Trp Glu Trp Ile Ser Ser Ser Cys His Arg Gly Val Phe Phe Ala Asn
 115 120 125
 Thr Leu Xaa Leu Leu Asn Cys Leu Arg His Lys Ser Asp Glu Thr Val
 130 135 140
 Ile Lys Asn Ser Trp Pro Gly Val Val Ala His Ala Cys Asn Pro Ser
 145 150 155 160
 Thr Leu Ala Ser Cys
 165

<210> 707
 <211> 164
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Splice variant 1
 open reading frame 3 peptide sequence

<220>
 <221> MOD_RES
 <222> (44)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (50)..(51)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (67)
 <223> Unknown amino acid or stop

<220>
 <221> MOD_RES
 <222> (93)
 <223> Unknown amino acid or stop

<400> 707
Phe Phe Phe Leu Ser Ser Tyr Leu Leu Lys Thr Lys Ala Ile Val Asn
1 5 10 15
Ala Ser Glu Met Asp Ile Gln Asn Val Pro Leu Ser Glu Lys Ile Ala
20 25 30
Glu Val Lys Phe His Asp Gly Cys Met Leu Phe Xaa Asn Thr Asp Asn
35 40 45
Ser Xaa Xaa Leu Leu Pro Met Asn Leu Gly Met Met Lys Trp His Asp
50 55 60
Ala Gln Xaa Ser Phe Leu Leu Asp Leu Thr Phe Pro Ile Glu Phe Val
65 70 75 80
Met Lys Asn Lys Ile Leu Lys Pro His Cys Lys Val Xaa Phe Arg Lys
85 90 95
Lys Gly Lys Ala Ala Gln Leu Leu His Ser Cys Ile Leu Leu Cys Ala
100 105 110
Gly Asn Gly Tyr His His Leu Ala Ile Glu Val Ser Ser Leu Gln Ile
115 120 125
Pro Cys Asn Cys Ser Thr Val Ser Asp Ile Arg Val Met Lys Gln Leu
130 135 140
Leu Arg Ile Pro Gly Arg Ala Trp Trp Leu Thr Pro Val Ile Pro Ala
145 150 155 160
Leu Trp Pro Arg

<210> 708
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Illustrative
peptide

<400> 708
Lys Asp Glu Leu
1

<210> 709
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 6-His tag

<400> 709

His His His His His His

1

5

<210> 710

<211> 14

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Tetanus toxoid
peptide

<400> 710

Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu

1

5

10

<210> 711

<211> 21

<212> PRT

<213> Plasmodium falciparum

<400> 711

Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe

1

5

10

15

Asn Val Val Asn Ser

20

<210> 712

<211> 16

<212> PRT

<213> Streptococcus sp.

<400> 712

Gly Ala Val Asp Ser Ile Leu Gly Gly Val Ala Thr Tyr Gly Ala Ala

1

5

10

15

<210> 713

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Formula
peptide

<220>

<221> MOD_RES

<222> (3)

<223> Cyclohexylalanine, Phe or Tyr

<400> 713
 Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
 1 5 10

<210> 714
 <211> 43
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 714
 ttttgatcaa gctttttttt tttttttttt tttttttttt ttt 43

<210> 715
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic adaptor

<400> 715
 ctaatacgac tcactatagg gctcgagcgg ccgcccgggc ag 42

<210> 716
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic adaptor

<400> 716
 gatcctgccc gg 12

<210> 717
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic adaptor

<400> 717
 gtaatacgac tcactatagg gcagcgtggt cgcggccgag 40

<210> 718

<211> 10
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic adaptor

 <400> 718
 gatcctcggc 10

 <210> 719
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 719
 ctaatacgac tcactatagg gc 22

 <210> 720
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 720
 tcgagcggcc gcccgggcag ga 22

 <210> 721
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 721
 agcgtggtcg cggccgagga 20

 <210> 722
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 722

atatacgcgc gctcgtcgtc gacaa 25

<210> 723
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 723
 agccacacgc agctcattgt agaagg 26

<210> 724
 <211> 319
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: 85P1B3
 nucleotide sequence

<400> 724
 gatcagagga cacatgggac tctgcatctt aattcctaaa tttacagtca aagacatttt 60
 cagagataag tattatgaat tcaataagaa tctaaagtaa gttcttaagg caaatagcta 120
 taaaagagaa gaatccttag tctctcatct tctaaaaaca gtttcacaaa taatttggaa 180
 aatcagccta aaggtaaata gaaactgcat ttccctcca ttcttgaagc caatcttttt 240
 caagaaatga ctaagcagca cctggtgttg aagacagcaa taaagcctga acctgacact 300
 caagcttttg tacaggatc 319

<210> 725
 <211> 319
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: 85P1B3
 nucleotide sequence

<400> 725
 gatcagagga cacatgggac tctgcatctt aattcctaaa tttacagtca aagacatttt 60
 cagagataag tattatgaat tcaataagaa tctaaagtaa gttcttaagg caaatagcta 120
 taaaagagaa gaatccttag tctctcatct tctaaaaaca gtttcacaaa taatttggaa 180
 aatcagccta aaggtaaata gaaactgcat ttccctcca ttcttgaagc caatcttttt 240
 caagaaatga ctaagcagca cctggtgttg aagacagcaa taaagcctga acctgacact 300
 caagcttttg tacaggatc 319

<210> 726
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 726

gatcagagga cacatgggac tctgcatctt aattcctaaa tttacagtca aagacatttt 60
cagagataag tattatgaat tcaataagaa tctaaagtaa gttcttaagg caaatagcta 120
taaaagagaa gaatccttag tctctcatct tctaaaaaca gcttcacaaa taatttggaa 180
aatcagccta aaggtaaata gaaactgcat ttccctcca ttcttgaagc caatcttttt 240
caagaaatga ctaagcagca cctgttggtg aagacagcaa taaagcctga acctgacact 300
caagctttgg tacaggatc 319

<210> 727

<211> 1262

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: 85P1B3/OIP5
clone A nucleotide sequence

<220>

<221> CDS

<222> (13)..(699)

<400> 727

ggctgcggga ag atg gcg gct cag ccg ctg cgg cat cgc tca cgt tgt gca 51
Met Ala Ala Gln Pro Leu Arg His Arg Ser Arg Cys Ala
1 5 10

acg ccg ccc cgg ggg gac ttt tgt ggt ggc act gag agg gcg att gac 99
Thr Pro Pro Arg Gly Asp Phe Cys Gly Gly Thr Glu Arg Ala Ile Asp
15 20 25

caa gct tct ttt acg acc tcc atg gag tgg gat acg cag gtg gtg aag 147
Gln Ala Ser Phe Thr Thr Ser Met Glu Trp Asp Thr Gln Val Val Lys
30 35 40 45

ggg tcc tcg ccg ctc ggc ccc gca ggg ctg ggg gct gag gag cca gcc 195
Gly Ser Ser Pro Leu Gly Pro Ala Gly Leu Gly Ala Glu Glu Pro Ala
50 55 60

gcc ggc ccg cag ctg ccg tct tgg ctg cag cct gag agg tgc gct gtg 243
Ala Gly Pro Gln Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys Ala Val
65 70 75

ttc cag tgc gca cag tgt cac gca gtg ctc gcc gac tcg gtg cac ctc 291
Phe Gln Cys Ala Gln Cys His Ala Val Leu Ala Asp Ser Val His Leu
80 85 90

gcc tgg gac ctg tcg cgg tcc ctc ggg gcc gtg gtc ttc tcc aga gtt 339
Ala Trp Asp Leu Ser Arg Ser Leu Gly Ala Val Val Phe Ser Arg Val
95 100 105

aca aat aac gtc gtt ttg gaa gcg ccc ttc cta gtt ggc att gaa ggt 387
Thr Asn Asn Val Val Leu Glu Ala Pro Phe Leu Val Gly Ile Glu Gly
110 115 120 125

tca ctc aaa ggc agt act tac aac ctt tta ttc tgt ggt tct tgt ggg 435
Ser Leu Lys Gly Ser Thr Tyr Asn Leu Leu Phe Cys Gly Ser Cys Gly
130 135 140

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att ccc gtt ggt ttc cat ctg tat tct acc cat gct gcc ctg gct gcc 483
Ile Pro Val Gly Phe His Leu Tyr Ser Thr His Ala Ala Leu Ala Ala
      145              150              155

ttg aga ggt cac ttc tgc ctt tcc agt gac aaa atg gtg tgc tat ctc 531
Leu Arg Gly His Phe Cys Leu Ser Ser Asp Lys Met Val Cys Tyr Leu
      160              165              170

tta aaa aca aaa gcc ata gta aat gca tca gag atg gat att caa aat 579
Leu Lys Thr Lys Ala Ile Val Asn Ala Ser Glu Met Asp Ile Gln Asn
      175              180              185

gtt cct cta tca gaa aag att gca gag ctg aaa gag aag ata gtg cta 627
Val Pro Leu Ser Glu Lys Ile Ala Glu Leu Lys Glu Lys Ile Val Leu
      190              195              200              205

acg cac aat cgc tta aaa tca cta atg aag att ctg agt gaa gtg act 675
Thr His Asn Arg Leu Lys Ser Leu Met Lys Ile Leu Ser Glu Val Thr
      210              215              220

cct gac cag tcc aag cca gaa aac tgatcctgta ccaaagcttg agtgtcaggt 729
Pro Asp Gln Ser Lys Pro Glu Asn
      225

tcaggcttta ttgctgtctt caacaacagg tgctgcttag tcatttcttg aaaaagattg 789

gcttcaagaa tggaggggaa atgcagtttc tatttacctt taggctgatt ttccaaatta 849

tttgtgaagc tgtttttaga agatgagaga ctaaggattc ttctctttta tagctatttg 909

ccttaagaac ttactttaga ttcttattga attcataata cttatctctg aaaatgtctt 969

tgactgtaaa tttaggaatt aagatgcaga gtcccatgtg tcctctgatc taaagttgca 1029

tggttggtct gaaaatagag ttgggcttaa tgttgacttc tattactcct gcatggagca 1089

gttgttatga atactaatac atcacttttt aacttctgta aaatacagat cataatatcc 1149

tataggtaat gtttaataaa ttgctgaat aataaaaaaa aaaaaaaaaa aaaaaaaaaa 1209

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1262

<210> 728
<211> 229
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: 85P1B3/OIP5
      clone A protein

<400> 728
Met Ala Ala Gln Pro Leu Arg His Arg Ser Arg Cys Ala Thr Pro Pro
  1              5              10              15

```

Arg Gly Asp Phe Cys Gly Gly Thr Glu Arg Ala Ile Asp Gln Ala Ser
 20 25 30
 Phe Thr Thr Ser Met Glu Trp Asp Thr Gln Val Val Lys Gly Ser Ser
 35 40 45
 Pro Leu Gly Pro Ala Gly Leu Gly Ala Glu Glu Pro Ala Ala Gly Pro
 50 55 60
 Gln Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys Ala Val Phe Gln Cys
 65 70 75 80
 Ala Gln Cys His Ala Val Leu Ala Asp Ser Val His Leu Ala Trp Asp
 85 90 95
 Leu Ser Arg Ser Leu Gly Ala Val Val Phe Ser Arg Val Thr Asn Asn
 100 105 110
 Val Val Leu Glu Ala Pro Phe Leu Val Gly Ile Glu Gly Ser Leu Lys
 115 120 125
 Gly Ser Thr Tyr Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile Pro Val
 130 135 140
 Gly Phe His Leu Tyr Ser Thr His Ala Ala Leu Ala Ala Leu Arg Gly
 145 150 155 160
 His Phe Cys Leu Ser Ser Asp Lys Met Val Cys Tyr Leu Leu Lys Thr
 165 170 175
 Lys Ala Ile Val Asn Ala Ser Glu Met Asp Ile Gln Asn Val Pro Leu
 180 185 190
 Ser Glu Lys Ile Ala Glu Leu Lys Glu Lys Ile Val Leu Thr His Asn
 195 200 205
 Arg Leu Lys Ser Leu Met Lys Ile Leu Ser Glu Val Thr Pro Asp Gln
 210 215 220
 Ser Lys Pro Glu Asn
 225

<210> 729

<211> 229

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: 85P1B3/OIP5
protein sequence

<400> 729

Met Ala Ala Gln Pro Leu Arg His Arg Ser Arg Cys Ala Thr Pro Pro
 1 5 10 15

Arg Gly Asp Phe Cys Gly Gly Thr Glu Arg Ala Ile Asp Gln Ala Ser
 20 25 30
 Phe Thr Thr Ser Met Glu Trp Asp Thr Gln Val Val Lys Gly Ser Ser
 35 40 45
 Pro Leu Gly Pro Ala Gly Leu Gly Ala Glu Glu Pro Ala Ala Gly Pro
 50 55 60
 Gln Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys Ala Val Phe Gln Cys
 65 70 75 80
 Ala Gln Cys His Ala Val Leu Ala Asp Ser Val His Leu Ala Trp Asp
 85 90 95
 Leu Ser Arg Ser Leu Gly Ala Val Val Phe Ser Arg Val Thr Asn Asn
 100 105 110
 Val Val Leu Glu Ala Pro Phe Leu Val Gly Ile Glu Gly Ser Leu Lys
 115 120 125
 Gly Ser Thr Tyr Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile Pro Val
 130 135 140
 Gly Phe His Leu Tyr Ser Thr His Ala Ala Leu Ala Ala Leu Arg Gly
 145 150 155 160
 His Phe Cys Leu Ser Ser Asp Lys Met Val Cys Tyr Leu Leu Lys Thr
 165 170 175
 Lys Ala Ile Val Asn Ala Ser Glu Met Asp Ile Gln Asn Val Pro Leu
 180 185 190
 Ser Glu Lys Ile Ala Glu Leu Lys Glu Lys Ile Val Leu Thr His Asn
 195 200 205
 Arg Leu Lys Ser Leu Met Lys Ile Leu Ser Glu Val Thr Pro Asp Gln
 210 215 220
 Ser Lys Pro Glu Asn
 225

<210> 730

<211> 229

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: 85P1B3 protein
sequence

<400> 730

Met Ala Ala Gln Pro Leu Arg His Arg Ser Arg Cys Ala Thr Pro Pro
 1 5 10 15

Arg Gly Asp Phe Cys Gly Gly Thr Glu Arg Ala Ile Asp Gln Ala Ser

Pro Leu Gly Pro Ala Gly Leu Gly Ala Glu Glu Pro Ala Ala Gly Pro
 50 55 60
 Gln Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys Ala Val Phe Gln Cys
 65 70 75 80
 Ala Gln Cys His Ala Val Leu Ala Asp Ser Val His Leu Ala Trp Asp
 85 90 95
 Leu Ser Arg Ser Leu Gly Ala Val Val Phe Ser Arg Val Thr Asn Asn
 100 105 110
 Val Val Leu Glu Ala Pro Phe Leu Val Gly Ile Glu Gly Ser Leu Lys
 115 120 125
 Gly Ser Thr Tyr Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile Pro Val
 130 135 140
 Gly Phe His Leu Tyr Ser Thr His Ala Ala Leu Ala Ala Leu Arg Gly
 145 150 155 160
 His Phe Cys Leu Ser Ser Asp Lys Met Val Cys Tyr Leu Leu Lys Thr
 165 170 175
 Lys Ala Ile Val Asn Ala Ser Glu Met Asp Ile Gln Asn Val Pro Leu
 180 185 190
 Ser Glu Lys Ile Ala Glu Leu Lys Glu Lys Ile Val Leu Thr His Asn
 195 200 205
 Arg Leu Lys Ser Leu Met Lys Ile Leu Ser Glu Val Thr Pro Asp Gln
 210 215 220
 Ser Lys Pro Glu Asn
 225

<210> 732
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 732
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24

<210> 733
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 733
 cagggttcagg ctttattgct gtct 24

<210> 734
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic FLAG tag

<400> 734
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<210> 735
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 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: N-glycosylation site motif

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 Asn Ala Ser Glu
 1

<210> 736
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<220>
 <223> Description of Unknown Organism: casein kinase II phosphorylation site motif

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 Thr Ser Met Glu
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<210> 737
 <211> 4
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<220>
 <223> Description of Unknown Organism: casein kinase II phosphorylation site motif

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<210> 738
<211> 4
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<220>
<223> Description of Unknown Organism: casein kinase II
phosphorylation site motif

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<210> 739
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<220>
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site motif

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site motif

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<210> 741
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<220>
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site motif

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<210> 742
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<220>
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site motif

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<210> 743
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<220>
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site motif

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<210> 744
<211> 6
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: cytochrome c
family heme-binding site motif

<400> 744
Cys Ala Gln Cys His Ala
1 5

1

1